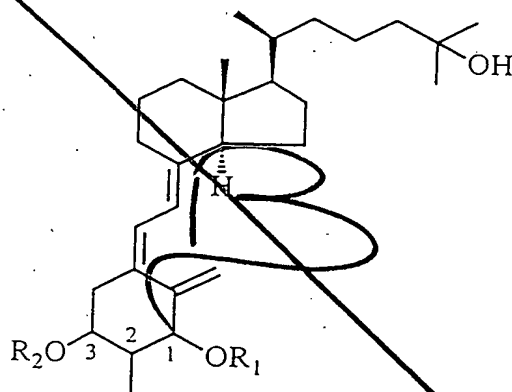


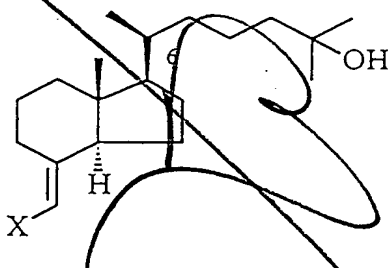
CLAIMS

1. 1, 25-dihydroxy-2-methylvitamin D<sub>3</sub> derivatives expressed by the following ~~general~~ formula (I),



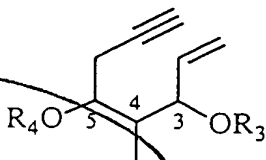
wherein each of R<sub>1</sub> and R<sub>2</sub> is independently a hydrogen atom or a tri(C<sub>1</sub> to C<sub>7</sub> alkyl)silyl group <sup>and wherein</sup> ~~herein~~ configurations of asymmetric carbons at the 1-, 2- and 3-positions are each independently  $\alpha$ -configuration or  $\beta$ -configuration.

2. A method for producing a vitamin D<sub>3</sub> derivative described in the claim 1, wherein an exo-methylene compound expressed by the following ~~general~~ formula (II),



wherein X is a bromine atom or an iodine atom, is made to react with an ene-yne compound expressed by the following general formula (III),

5



a  
a  
10 {wherein  $R_3$  and  $R_4$  are each independently a hydrogen atom or a tri( $C_1$  to  $C_7$  hydrocarbon)silyl group} in the presence of a palladium catalyst, and optionally the protecting group of the tri( $C_1$  to  $C_7$  hydrocarbon)silyl group is removed.

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adel  
Di